

**TRANSFER APPARATUS FOR TRANSFERRING AN OBJECT,  
LITHOGRAPHIC APPARATUS EMPLOYING SUCH A  
TRANSFER APPARATUS, AND METHOD OF USE THEREOF**

**ABSTRACT OF THE INVENTION**

The invention relates to a transfer apparatus for transferring an object. The transfer apparatus comprises a gripper for either gripping the object at a first position and then releasing the object at a second position proximate to a receiving structure or releasing the object at a first position after gripping the object at a second position proximate to the receiver structure. The transfer apparatus also includes a measurement device arranged to measure the relative position of the gripper with respect to the receiving structure in at least one dimension. Further, a relative position error is determined with respect to a desired relative position based on the relative position measured. The relative position of the gripper and receiving structure are adjusted in order to minimize the relative position error in the second position.